

## CLAIMS

1. A hearing aid comprising a signal path with an input transducer, a signal processor and an output transducer, the signal processor being adapted to produce  
5 a compensation signal capable of at least partly attenuating acoustic signals bypassing the signal path and entering the ear canal.
2. A hearing aid according to claim 1, where the hearing aid further comprises at least one internal input transducer for obtaining a sound signal within the ear  
10 canal, the internal input transducer being connected to the signal path.
3. A hearing aid according to claim 1 or 2, where an auxiliary input is provided to  
15 the signal path.
4. A hearing aid according to claim 1, 2 or 3, where switching means are provided for switching the signal processor to a state where the compensation signal is generated.  
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5. A hearing aid according to claim 4, where the switching means are adapted for automatically generating the compensation signal upon receiving the auxillary input.